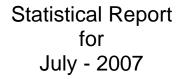
# Bureau of Land Management



# Amarillo Field Office Helium Operations







#### Distribution:

Fluid Minerals Group Manager, Washington Office

NMSO, New Mexico State Director

NMSO, Associate State Director

NMSO, Petroleum Engineer

Field Manager, Amarillo Field Office

Assistant Field Managers (3)

**Team Leaders** 

- -Federal Leased Lands
- -Resources Evaluation & Gas Analysis
- -Division Of Helium Operations, -Engineering and Technical Support

#### List of Tables

Table 1 - Summary of Helium Operations

Table 2 - Bush Dome Reservoir Operations

Table 3 - Gas Volumes & Inventory

Table 4 - In Kind Helium Sales

Table 5 - Open Market/Reserve Sell-down

Table 5 - Natural Gas/Liquid Sales

Table 6 - Helium Resources Evaluation

Table 7 - Helium Storage Contract Activity

Table 8 - Compression & CHEU (Charges & Operations)

Amarillo, Texas

Issued: September 4, 2007

"Please Note: Data in this report is accurate as of print date; however all data is subject to change."

Approved for distribution: Nelson R. Bullard Date: 09/04/2007

Helium Enrichment Unit Operations Gas Processed	Mo Gross Volume	nth Net Helium	Average Porcont	Gross Cumulative	Net Cumulativ
Plant Feed	708,016	196,174	27.71%	28,656,730	7,242,23
Helium Product	238,235	189,390	79.50%	9,092,872	7,146,48
Residue Natural Gas	294,433	0	00.00%	12,542,140	1,18
Natural Gas & Liquids Produced					
Gas Processed				Month	FYT
Natural Gas Sales (Mcf***)				332,017	2,619,7
NGL Sales (gallons)				73,731	647,9
*** Volumes in Mcf at 14.73 psia & 60°F				75,751	047,3
Bush Dome Reservoir Operations	Mo		Avere Devent	Crear Correlative	Net Committee
Conservation gases from all sources	Gross Volume	Net Helium	,	Gross Cumulative	Net Cumulat
Total Withdrawn	681,286	192,034	28.19%	163,491,794	26,978,3
Crude Injection	3,036	2,414	79.51%	65,571,347	47,323,48
Crude Production	3,316	2,437	73.50%	775,806	563,82
Storage Operations					
Conservation Helium		Month	FYTD	CYTD	Cumulat
Open Market Sale Volumes (Mcf*)		176,700	1,581,700	1,076,700	6,852,30
Conservation Helium in Storage (EOM)		21,345,051			
Volumes in Mcf at 14.65 psia & 60°F					
In Kind Helium		Month	FYTD	CYTD	Cumulat
Sale Volumes Transferred		0	151,116	94,131	1,947,1
Sale Volumes Outstanding		48,886			
/olumes in Mcf at 14.65 psia & 60°F				'	
Private Company Helium Storage Contract	S	Mo	nth		Annual
Contact Activity		Gross Volume	Net Helium	Average Percent	Helium FYTE
Crude Acquired		67,849	44,755	65.96%	457,5
Crude Disposed		311,068	236,370	75.99%	2,233,0
Net Balance		(243,219)	(191,615)		(1,775,4
Balance of Stored Helium End Of Month			1,249,869		
Volumes in Mcf at 14.65 psia & 60°F			, ,		
Revenue / Charges					
Helium Storage Contracts (Charges Billed (\$)				Month	FY
Storage Fees Billed (\$)				\$271,237	\$2,439,03
Reservoir Management Fees Billed (\$)				\$261,545	\$2,406,4
Field Compressor Charges (Charges Billed (\$)				Month	FY
Funded by Cliffside Refiners, LP (provides for booster complete)	ression services)			(\$54,401)	(\$573,1
Cliffside Refiners, LP, by Agreement #GDA010003 (reimburs	•	cupplies etc.)		\$10,604	\$135,23
Net-Total (Funded by the four Refiners to the Cliffside Refine				(\$43,796)	(\$437,96
Enrichment Unit Charges (Charges Billed (\$)				Month	FY
•					
Reservior Management Fees (RMF)				\$261,545	\$2,406,4
Total operating costs				(\$907,602)	(\$8,956,00
Sub Total - Items provided by BLM				\$434,354	\$4,223,58
Fotal - Cliffside Refiners, LP, GDA030001				(\$473,248)	(\$4,732,48
Conservation Helium - Natural Gas - Liquid	l Sales	(Charges Billed (\$)		Month	FY
Open Market Sales				\$10,381,125	\$92,631,12
n Kind Sales				\$0	\$8,282,6
Natural Gas & Liquid Sales				\$2,009,602	\$17,113,11
Helium Resources Evaluation				Month	FY
Revenue Collected from Federal Lease Holds				\$524,678	\$6,119,9
Helium Sample Collection Report for month  Submitte	ed - 0	Received -	9	Analyzed - 2	
Continue Con	· · · · · ·		-		-

		Gross V	Vithdrawal	Net Helium	n Withdrawal	Nitro	ogen	Met	nane	Ethan	e plus	Other (CC	02, Ar, H2)
		Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative
TOTAL		681,286	163,491,794	192,034	26,978,348	171,678	40,057,053	281,850	86,534,994	30,094	8,569,571	5,630	1,351,828
BIVINS A-3	Jul-07	46,603	9,618,789	27,414	2,808,548	11,848	2,435,760	6,432	3,926,382	620	383,142	289	64,957
BIVINS A-6	Jul-07	1,997	7,872,649	1,598	4,488,739	350	1,961,509	35	1,272,071	(0)	122,742	14	27,589
BIVINS A-13	Jul-07	48,931	3,647,960	26,505	2,345,349	12,317	970,919	8,841	288,918	925	29,370	342	13,405
BIVINS A-14	Jul-07	55,753	3,996,217	35,488	2,781,107	13,925	1,032,005	5,401	155,713	549	15,324	390	12,068
BIVINS A-4	Jul-07	40,820	9,757,807	16,340	1,537,236	9,995	2,359,985	12,761	5,258,498	1,389	517,247	336	84,842
BUSH A-2	Jul-07	46,267	8,967,449	16,723	1,204,266	11,811	2,171,594	15,646	5,014,519	1,755	496,835	333	80,237
Injection	Jul-07	3,036	65,571,347	2,414	47,323,480	545	16,938,454	56	762,933	0	16	21	546,465
inj Bivins A-3	Jul-07	0	(25,652,212)	0	(18,384,374)	0	(6,554,527)	0	(332,774)	0	0	0	(380,537)
inj Bivins A-6	Jul-07	(3,036)	(23,531,926)	(2,414)	(16,991,421)	(545)	(6,308,210)	(56)	(125,469)	0	(7)	(21)	(106,819)
inj Bivins A-13	Jul-07	0	(6,490,417)	0	(4,706,191)	0	(1,656,853)	0	(122,391)	0	(2)	0	(4,980)
inj Bivins A-14	Jul-07	0	(6,501,333)	0	(4,767,421)	0	(1,602,106)	0	(126,303)	0	(7)	0	(5,497)
inj Bivins A-4	Jul-07	0	(2,527,801)	0	(1,848,815)	0	(601,353)	0	(42,016)	0	0	0	(35,617)
inj Bush A-2	Jul-07	0	(867,658)	0	(625,258)	0	(215,406)	0	(13,980)	0	0	0	(13,015)
Production	Jul-07	3,316	775,806	2,437	563,823	679	170,671	164	33,548	13	2,505	23	5,259
BIVINS A-1	Jul-07	0	2,686,608	0	48,896	0	636,995	0	1,798,415	0	175,704	0	26,597
BIVINS A-2	Jul-07	18,142	11,961,819	1,945	1,769,539	4,423	2,946,284	10,512	6,507,393	1,105	641,482	158	97,120
BIVINS A-5	Jul-07	31,750	12,860,717	8,748	1,319,646	8,089	3,123,336	13,203	7,556,562	1,465	746,865	244	114,309
BIVINS A-7	Jul-07	30,236	9,083,616	10,463	1,889,109	7,868	2,264,895	10,511	4,422,076	1,190	439,960	204	67,576
BIVINS A-9	Jul-07	39,315	7,795,299	779	143,988	10,147	1,885,803	25,389	5,175,907	2,686	515,504	315	74,098
BIVINS A-11	Jul-07	33,265	3,915,771	702	73,581	8,532	955,728	21,452	2,588,095	2,280	260,791	299	37,577
BIVINS A-15	Jul-07	38,560	6,870,139	983	373,884	9,161	1,642,074	25,363	4,355,085	2,623	431,806	430	67,290
BIVINS B-1	Jul-07	39,316	4,871,241	1,680	198,992	9,631	1,174,165	25,018	3,134,825	2,603	316,283	384	46,977
BIVINS B-2	Jul-07	33,265	3,643,220	637	67,978	8,550	896,793	21,325	2,391,546	2,254	242,325	499	44,578
BUSH A-1	Jul-07	0	5,721,962	0	104,140	0	1,356,677	0	3,830,281	0	374,216	0	56,647
BUSH A-3	Jul-07	36,286	8,696,634	18,796	1,384,649	9,370	2,120,721	7,001	4,653,553	818	460,115	301	77,596
BUSH A-4	Jul-07	24,191	6,216,502	6,087	1,122,390	6,220	1,540,383	10,575	3,188,581	1,156	317,585	152	47,563
BUSH A-5	Jul-07	46,870	12,229,521	14,639	2,469,452	11,962	3,051,330	18,014	6,021,886	1,983	597,265	272	89,589
BUSH A-8	Jul-07	18,144	2,659,041	335	48,582	4,469	634,956	11,849	1,770,396	1,237	175,850	254	29,257
BUSH A-9	Jul-07	0	3,365,832	0	78,958	0	804,325	0	2,230,711	0	220,114	0	31,724
BUSH A-11	Jul-07	21,169	2,910,608	771	81,005	5,088	694,563	13,643	1,911,429	1,410	192,057	257	31,554
BUSH B-1	Jul-07	139	3,097,118	3	58,164	34	734,638	92	2,070,831	10	202,993	1	30,493
FUQUA A-1	Jul-07	0	2,954,070	0	53,853	0	702,791	0	1,975,156	0	193,571	0	28,699
FUQUA A-2	Jul-07	0	132,119	0	2,404	0	31,322	0	88,458	0	8,637	0	1,297
FUQUA A-3	Jul-07	30,266	7,959,084	1,399	523,893	7,889	1,927,505	18,787	4,947,705	2,036	491,791	154	68,190
TT Fuel	Jul-07	139	0	3	0	34	0	92	0	10	0	1	0
	fie	eld-wide pcts		28.19%	16.50%	25.20%	24.50%	41.37%	52.93%	4.42%	5.24%	0.83%	0.83%

of reserves and feed to be	4FII

Based on NITEC's 2003 reserves study from NITEC's interim report

est z-factor 0.975

As of EOM Jul-	07	Volumes in BCF		
Initial Gas In Place		330.040		
Produced 1924 to 19	061	48.830		
Injected 1924 to 196	1	0.450		
Remaining Gas In Pl	ace 1961	281.660		
Left Behind Pipe, 19	61	82.060 =	====> 1.500	BCF of contained helium
Remaining in Place,	1961	199.600		
Gas In Place 1961		199.600		
Produced 1961 to Ju	ly 2002	82.450		
Injected 1961 to July	2002	64.510	Net Helium	
Remaining Gas In Pl	ace July 2002	181.660	33.997	
Produced July 2002	through Dec 2002	1.096	0.743	
Production 2003 - 06	3	26.769	7.366	
Injection 2003 - 06		(0.528)	(0.407)	
Produced to Date 20	07	4.346	1.283	
Injected to Date 2007	7	(0.035)	(0.027)	
Amount of Raw Gas	Available to CHEU	150.011 =	====> 25.040	total helium in reservoir
Estimated Bottom Ho	ole Pressure	549.407		

# Crude Helium Enrichment Unit Operations

	Gross Withdrawal		Net Helium	et Helium Withdrawal		Nitrogen		Methane		Ethane plus		Other (CO2, Ar, H2)	
		Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative	Month	Cumulative
Measured Feed	Jul-07	708,016	28,656,730	196,174	7,242,230	178,138	7,205,238	296,183	12,615,525	31,622	1,351,134	5,899	242,603
Calculated Feed	Jul-07	677,831	28,773,825	189,594	7,302,393	170,965	7,228,979	281,595	12,647,199	30,071	1,351,631	5,606	243,622
Feed to Box	Jul-07	673,930	28,609,030	189,594	7,302,393	170,965	7,228,979	281,595	12,647,199	30,071	1,351,631	1,705	78,828
Cheu Product	Jul-07	238,235	9,092,872	189,390	7,146,489	42,775	1,704,282	4,398	179,036	3	359	1,669	62,705
Residue	Jul-07	294,433	12,542,140	0	1,188	7,579	311,511	260,575	11,111,367	26,280	1,116,865	0	1,209
Cold Box Vent	Jul-07	108,919	5,307,746	29	79,731	101,467	4,438,994	7,393	729,479	0	137	29	59,405
Flare/Boot Strap	Jul-07	1,093	623,503	6	32,432	977	258,181	91	247,917	18	79,840	0	5,134
Fuel From Cheu	Jul-07	10,933	358,186	2	221	354	10,598	8,910	289,631	1,667	57,737	0	0
Shrinkage/Loss	Jul-07	2,104	92,553	0	0	0	0	0	0	2,104	92,553	0	0
Unaccounted*	Jul-07	18,214	635,845	168	40,171	17,813	523,785	227	69,496	0	1,072	6	1,322

<sup>\*</sup>Before October 2004, the values are estimated

#### Storage Operations

Inventory (contained helium)		
,	Government	Private
Beginning inventory	21,521,963	1,264,784
net acceptances +	0	0
redeliveries	0	(191,615)
In Kind Transfers	0	0
Open Market Sales	(176,700)	176,700
Gain/loss	(212)	
Ending Inventory	21,345,051	1,249,869
Total Helium in Reservoir	25,039,560	
Total Helium in Storage	22,594,920	
Helium in native gas	2 444 640	

#### Crude Helium Pipeline

_	Gross	Net Helium	Percent
Beginning inventory	42,438	31,869	75.10%
Measured to Pipeline (Private Plants)	68,892	45,217	65.63%
Measured from Pipeline (Private Plant	312,111	236,386	75.74%
HEU Production	238,235	189,390	79.50%
Injection	3,036	2,414	79.51%
Production	3,316	2,437	73.50%
Ending Inventory	39,319	29,900	76.05%
Gain/Loss	1,585	(212)	

# Tuck Trigg Reservoir Operations

	-		Since Field	
Native Gas (Gross)	Month	Fiscal Year	Discovery	l
Total in place, beg. of period	5,198,688	5,198,688	5,890,000	l
Recoverable in place, beg. of period	4,528,688	4,528,688	5,220,000	l
Production during period to date	0	0	691,312	l
Total in place, end of month	5,198,688	5,198,688	5,198,688	l
Recoverable in place, end of month	4,528,688	4,528,688	4,528,688	l

		ionain C								-
	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind+	Charges	Billed (\$)**
In Kind Helium										
Aeriform, Contract Month FYTD	no. INC98-0	101							,	(billed quarterly)
AGA/Linde Gas, Inc Month FYTD	c., Contract ı	no. INC98-01	02							
AirGas, Inc., Contra Month FYTD	act no. INC98	8-0103								
Air Liquide Helium Month FYTD	America, Ind	c., Contract r	io. INC98-	0104						
Air Products, L.P., Month FYTD	Contract no.	. INC98-0105								
BOC Global Helium Month FYTD	, Inc., Contr	act no. INC9	8-0106							
Corp Brothers, Inc. Month FYTD	, Contract n	o. INC98-010	7							
FIBA Technologies  Month FYTD	, Inc., Contra	act no. INC98	3-0108							
General Air Service Month FYTD	& Supply C	co., Contract	no. INC98	-0109						
Jack B. Kelley Co., Month FYTD	Contract no	. INC98-0110								
Portland Welding S Month FYTD	Supply, Cont	ract no. INC9	8-0111							
Praxair, Inc., Contra Month FYTD	act no. INC9	8-0112								
United States Weld Month FYTD	ing, Inc., Co	ntract no. IN	C98-0113							
Matheson Tri-Gas, Month FYTD	Inc., Contrac	ct no. INC98-	0114							
GT & S, Contract no Month FYTD	o. INC00-011	15								
Total month	0	0	0	0	0	0	0	0		\$0
Total FYTD	84,961	6,420	17	12,944	20,686	20,235	145,262	143,017		\$8,282,673
Total CYTD	54,145	4,823	6	8,469	12,102	13,614	93,158	91,718		\$5,388,136
Cumulative	1,182,689	46,114	205	240,862	284,660	272,853	2,027,383	1,995,927		\$103,588,345
In Kind Transf	ers						Month	FYTD	CYTD	Cumulative
Transferred Volume outstanding							0 48,886	151,116	94,131	1,947,116

<sup>\*</sup> Volumes in Mcf at 14.7 psia & 70°F

<sup>+</sup> Volumes in Mcf at 14.65 psia & 60°F

# **Helium & Natural Gas Sales**

	Award Volume*	Outstanding*	Sales*	Charges Billed (\$	
Conservation Helium					(billed quarterly)
Air Liquide Helium America, Inc.					
Month	0	0	0		\$0
FYTD	0	0	0		\$0
Cumulative	50,000		50,000		\$2,625,000
Air Products, L.P.					
Month	180,000	0	0		\$0
FYTD	785,000	180,000	605,000		\$35,543,750
Cumulative	2,485,400		2,305,400		\$127,854,750
BOC Global Helium, Inc.					
Month	200,000	0	0		\$0
FYTD	580,000	200,000	380,000		\$22,325,000
Cumulative	2,749,000		2,549,000		\$139,562,500
Keyes Helium Co., LLC					
Month	20,000	(6,700)	6,700		\$393,625
FYTD	115,000	13,300	101,700		\$5,974,875
Cumulative	306,200		292,900		\$16,206,275
Matheson Tri-Gas, Inc.					
Month	5,000	0	0		
FYTD	10,000	5,000	0		\$0
Cumulative	10,000		5,000		\$293,750
Praxair, Inc.					
Month	50,000	(170,000)	170,000		\$9,987,500
FYTD	540,000	50,000	490,000		\$28,787,500
Cumulative	1,500,000		1,450,000		\$82,107,500
Linde Gas North America, LLC					
Month	0	0	0		\$0
FYTD	0	0	0		\$0
Cumulative	200,000		200,000		\$11,035,000
Total month	455,000	(176,700)	176,700	\$10,381,	
Total FYTD	2,030,000	448,300	1,576,700	\$92,631,1	
Total CYTD	1,525,000		1,076,700	\$63,256,1	
Cumulative	7,300,600		6,852,300	\$379,684,7	
Open Market Transfers		Month	FYTD	CYTD	Cumulative
Transferred		176,700	1,581,700	1,076,700	6,852,300
Volume outstanding		0			
* Volumes in Mcf at 14.65 psia & 60°F					

<sup>\*</sup> Volumes in Mcf at 14.65 psia & 60°F

# **Natural Gas/Liquid Sales**

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	\$/unit	Charges Billed (\$)**
El Paso Natural Gas	3	Provides Firm/Interruptible natural gas transportation services			(billed monthly)
Month	296,730		326,369	(\$0.0858)	(\$27,997)
FYTD	2,516,492		2,766,981	(\$0.1012)	(\$279,970)
Cumulative	12,127,509		13,330,362	(\$0.1083)	(\$1,443,129)
Minerals Manageme	ent Service	Provides natural gas	marketing services u	nder a Cooperative A	greement
Month					(\$319)
FYTD				(\$0.0004)	(\$1,077)
Cumulative				(\$0.0105)	(\$127,101)
Cenergy Marketing/	OGE Energy				
Month	332,017	0	335,270	\$5.802243	\$1,922,293
FYTD	2,619,778	0	2,710,068	\$6.197345	\$16,581,817
Cumulative	12,301,544	0	13,286,373	\$6.118069	\$80,658,367
Seminole Transpor	tation & Gathering				
Month	0	73,731	8,018	\$14.420700	\$115,625
FYTD	0	647,934	70,024	\$11.600898	\$812,341
Cumulative	0	3,008,506	319,541	\$10.182390	\$3,253,691
Total month	332,017	73,731	343,288	\$5.921055	\$2,009,602
Total FYTD	2,619,778	647,934	2,780,092	\$6.232355	\$17,113,111
Total CYTD	1,895,024	432,704	1,960,429	\$6.414011	\$12,432,620
Cumulative	12,301,544	3,008,506	13,605,914	\$6.098114	\$82,341,829

<sup>\*\*\*</sup> Volumes in Mcf at 14.73 psia & 60°F

All Volumes in Mcf at 14.7 psia & 70°F

Revenue Collected From Federal Leaseholds	Month*	FYTD*
Fee Sales & Royalties	\$521,596	\$6,085,627
Natural Gas Royalties (1)	\$2,585	\$21,359
Natural Gas Rentals	\$0	\$0
Other	<u>\$11,266</u>	\$88,377
Revenue Collected from Federal Lease Holds	\$524,678	\$6,119,973

<sup>\*</sup>Totals do not sum

Helium Analysis and Evaulation	Month	FYTD
Number of Sample Request Letters Sent	0	158
Number of Samples Received	9	44
Number of Samples Analyzed	10	43
Total Number of Samples Analyzed For Resources Division	48	91
Total Number of Other Samples Analyzed (2)	26	417

# **U. S. Helium Production**

Domestic	FY Volume		CY Volume
2001 Helium Sold	4,908,300		4,756,719
2002 Helium Sold	4,620,900		4,584,904
2003 Helium Sold	4,621,000		4,393,555
2004 Helium Sold	4,673,600		4,692,699
2005 Helium Sold	4,936,900		4,800,782
2006 Helium Sold	4,943,900		4,944,544
2007 Helium Sold *	4,800,000	*	4,700,000
Estimated Helium Resources (as of 01/01/2003)			305,000,000

<sup>\*</sup> Indicates Production Data is Projected

		FY-2006	CY-2006
U.S. Helium Exports	(3)	2,071,425	2,233,195

- (1) Includes drip gas sales & other miscellaneous gas sales.
- (2) Includes pipeline, field survey, and other requested analyses.
- (3) Data from Department of Commerce Bureau of the Census.

All Volumes	in Mcf at 1	4.65 psia 8									
				ed Gas				erred Gas	Stored	Charg	es Billed
	Gross Gas I		Helium	FYTD	Helium CYTD	Cumulativa		elium	Helium		\$)**
Total All Contra	-4-*	Month		FIID	CTID	Cumulative	Month	Cumulative	EOM	Month	FYTD
		CC 00/	44755	457.500	205.077	27.040.005	202.005	25 607 444			
Crude Acquired	67,849	66.0%	44,755	457,589	325,877	27,619,665	203,895	35,687,441		0074 007	٥
Crude Disposed	311,068	76.0%	236,370	2,233,074	1,575,556	33,048,081	27,195	27,530,438		\$271,237	Storage Fees
Grade-A Rdlvrd	0		0	0	0		.======			<u>\$261,545</u>	RMF Fees
Net/Balance	(243,219)		(191,615)	(1,775,485)	(1,249,679)	(6,907,134)	176,700	8,157,003	1,249,869	\$532,782	\$4,845,508
Total Prior Con	tracts (TERN	/IINATED)								l	
Crude Acquired				0	0	17,406,129	0	18,196,898		l	
Crude Disposed				0	0	11,830,863	0	19,148,768		l	
Grade-A Rdlvrd				0	0	1,478,718				l	
Number of trailers				0	0	9,834			0		
<b>BOC Global Hel</b>	lium, Inc., Co	ontract no.	1995-324	9							
Crude Acquired											
Crude Disposed											
Net/Balance											
Praxair, Inc., Co	ntract no. 1	995-3251									
Crude Acquired										l	
Crude Disposed										l	
Net/Balance										l	
Air Products, L.	P. Contract	no. 1995-3	3256								
Crude Acquired	, 00										
Crude Disposed											
Net/Balance											
Oneok Field Se	ruione Cont	ract no. 10	05 2250								
	rvices, conti	iaci iio. 19	93-3236							l	
Crude Acquired										l	
Crude Disposed										l	
Net/Balance	a Markatina	Ca Cambr		05 2200							
ExxonMobil Ga	s warketing	Co., Contr	act no. 19	95-3280							
Crude Acquired											
Crude Disposed											
Net/Balance			_								
Pioneer Natural	Resources	USA, Inc, (	Contract i	10. 1995-32	86					l	
Crude Acquired										l	
Crude Disposed										l	
Net/Balance											
Keyes Helium C	o., LLC, Coi	ntract no. 1	1995-3287	•							
Crude Acquired											
Crude Disposed											
Net/Balance											
Linde Gas Nort	h America, L	LC, Contra	act no. 20	01-3282							
Crude Acquired										I	
Crude Disposed										l	
Net/Balance										l	
Air Liquide Heli	um America	, Inc., Con	tract no. 2	2003-3284							
Crude Acquired											
Crude Disposed											
Net/Balance											
Matheson Tri-G	as. Inc Con	tract no. 2	007-3288								
Crude Acquired		1101 2	5250							l	
Crude Disposed										I	
Net/Balance										l	
INCI/Daialice											

Government Helium	
Remaining Crude Acquired beginning of the month	21,521,963
Crude Disposed: In Kind Sales transferred for the month	0
Open Market/Reserve Sell Down transferred for the month	(176,700)
Gains and Loses for the month	<u>(212)</u>
Net/Balance of Purchased Helium Remaining for Sale	21.345.051

<sup>\*</sup>Includes In Kind and Open Market transfers from Government storage

Field/CHEU Compressor Operations		Month	FYTD	Cumulative
Spot gas fuel price *	\$ per/MMBTU	\$5.80	\$6.21	\$5.94
Fuel used *	total MMBTU	12,918	128,476	604,796
Field compressor fuel revenue *	\$dollars	\$1,018	\$46,093	\$578,327
HEU compressor fuel credit *	\$dollars	\$45,965	\$426,260	\$1,776,783
HEU fuel credit *	\$dollars	\$27,941	\$325,290	\$1,240,109
#1 Compressor run time *	hours	718	6,552	37,023
#2 Compressor run time *	hours	547	5,067	24,648
#3 Compressor run time *	hours	205	2,150	16,596

<sup>\*</sup> Field/CHEU Compressor Operations based on Jul 07 activity

Field Compressor Charges	Ch	Charges Billed (\$)*		
BOC Global Helium, Inc., Contract no. 1995-3249				
Praxair, Inc., Contract no. 1995-3251				
Air Products, L.P., Contract no. 1995-3256				
Keyes Helium Co., LLC, Contract no. 1995-3287				
SubTotal - Cliffside Refiners, LP (provides booster compression services)	(\$54,401)	(\$573,198)	(\$5,442,311)	
Cliffside Refiners, LP, GDA010003 (BLM provided fuel *, labor, supplies, etc.)	<u>\$10,604</u>	<u>\$135,237</u>	<u>\$1,327,762</u>	
Net Total - Cliffside Refiners, LP	(\$43,796)	(\$437,961)	(\$4,114,549)	

<sup>\*</sup> BLM provided fuel cost is based on May 07 fuel consumed

<sup>\*</sup>Rounded to nearest dollar

Crude Helium Enrichment Unit (CHEU)	Month FYTD		Cumulative		
CHEU Runtime	Runtime Hrs	Percent	Runtime Hrs	Percent	Runtime Hrs
Processing feed gas	726	97.5%	6,556	89.9%	34,824
Producing residue gas	726	97.5%	6,361	87.2%	34,794
Producing helium product	726	97.5%	6,299	86.3%	31,972
Producing natural gas liquids	726	97.5%	6,300	86.4%	30,471

	Charges Billed (\$)*		
CHEU Charges	Month	FYTD	Cummulative
Reservior Management Fees (RMF)	\$261,545	\$2,406,476	\$8,391,362
Total operating costs	<u>(\$907,602)</u>	(\$8,956,065)	(\$42,936,823)
Labor	\$69,817	\$698,170	\$2,867,046
Compressor fuel cost *	\$52,656	\$425,347	\$1,658,325
HEU fuel cost *	\$35,118	\$333,879	\$1,233,857
Electric Power *	\$135,149	\$1,350,049	\$6,080,466
Other	(\$292,740)	(\$2,807,445)	<u>(\$7,717,743)</u>
Sub Total - Items provided by BLM	\$434,354	\$4,223,585	\$18,811,347
Total - Cliffside Refiners, LP, GDA030001	(\$473,248)	(\$4,732,480)	(\$24,125,476)

<sup>\*</sup> Based on May 07 activity

\*Rounded to nearest dollar

CHEU Utility Usage	Month	FYTD	Cumulative
Cheu Fuel Gas (Mcf) **	4,129	46,065	190,651
Cheu Pure Water Usage (gallons) *	2,914	32,233	158,453
Electricity Metered (Kwh) used *	2,451,240	22,253,274	104,268,948